Refine Search

Search Results -

Terms	Documents
L36 and L2	1

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L37

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L37	L36 and L2	1	L37
L36	"POSIX file"	21	L36
L35	L34 and (bit near size)	1	L35
L34	disk same volume same ("file object")	35	L34
L33	L31 and ((identifier or id) same (file near object))	0	L33
L32	L31 and (identifier or id)	2	L32
L31	L30 and L7	2	L31
L30	(L23 or L24 or L25 or L26 or L27 or L28 or L29) and L2	126	L30
L29	711/171.ccls.	492	L29
L28	711/170.ccls.	1738	L28
L27	711/163.ccls.	1143	L27
L26	711/162.ccls.	1140	L26
L25	711/156.ccls.	805	L25

L24	711/145.ccls.	718	L24
L23	711/112.ccls.	1481	L23
L22	L21 and L6	0	L22
L21	L20 and L3	15	L21
L20	711/$.ccls.	26312	L20
L19	L18 and L6	1	L19
L18	L17 and L3	9	L18
L17	707/$.ccls.	28350	L17
L16	L15 and (temporar$ near file)	1	L16
L15	L14 and L1	5	L15
L14	L7 and map$4	147	L14
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10
L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L34 and (bit near size)	1

8-4-05

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L35

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L35	L34 and (bit near size)	1	L35
L34	disk same volume same ("file object")	35	L34
L33	L31 and ((identifier or id) same (file near object))	0	L33
L32	L31 and (identifier or id)	2	L32
L31	L30 and L7	2	L31
L30	(L23 or L24 or L25 or L26 or L27 or L28 or L29) and L2	126	L30
L29	711/171.ccls.	492	L29
L28	711/170.ccls.	1738	L28
L27	711/163.ccls.	1143	L27
L26	711/162.ccls.	1140	L26
L25	711/156.ccls.	805	L25
L24	711/145.ccls.	718	L24
L23	711/112.ccls.	1481	L23

L22	L21 and L6	0	L22
L21	L20 and L3	15	L21
L20	711/$.ccls.	26312	L20
L19	L18 and L6	1	L19
L18	L17 and L3	9	L18
L17	707/$.ccls.	28350	L17
L16	L15 and (temporar$ near file)	1	L16
L15	L14 and L1	5	L15
L14	L7 and map$4	147	L14
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10
L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020116408 A1

Using default format because multiple data bases are involved.

L35: Entry 1 of 1 File: PGPB Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116408
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020116408 A1

TITLE: Implementing standards-based file operations in proprietary operating systems

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Green, Paul A. JR.	Harvard	MA	US	
Newman, Otto R.	Groton	MA	US	
Evans, Robert N.	Stow	MA	US	

US-CL-CURRENT: 707/205

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L34 and (bit near size)	1

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Refine Search

Search Results -

Terms	Documents
L31 and ((identifier or id) same (file near object))	0

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L33

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L33	L31 and ((identifier or id) same (file near object))	0	L33
L32	L31 and (identifier or id)	2	L32
L31	L30 and L7	2	L31
L30	(L23 or L24 or L25 or L26 or L27 or L28 or L29) and L2	126	L30
L29	711/171.ccls.	492	L29
L28	711/170.ccls.	1738	L28
L27	711/163.ccls.	1143	L27
L26	711/162.ccls.	1140	L26
L25	711/156.ccls.	805	L25
L24	711/145.ccls.	718	L24
L23	711/112.ccls.	1481	L23
L22	L21 and L6	0	L22
L21	L20 and L3	15	L21

L20	711/$.ccls.	26312	L20
L19	L18 and L6	1	L19
L18	L17 and L3	9	L18
L17	707/$.ccls.	28350	L17
L16	L15 and (temporar$ near file)	1	L16
L15	L14 and L1	5	L15
L14	L7 and map$4	147	L14
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10
L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L21 and L6	0

1 Ref 8-4-05

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L22

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L22	L21 and L6	0	L22
L21	L20 and L3	15	L21
L20	711/$.ccls.	26312	L20
L19	L18 and L6	1	L19
L18	L17 and L3	9	L18
L17	707/$.ccls.	28350	L17
L16	L15 and (temporar$ near file)	1	L16
L15	L14 and L1	5	L15
L14	L7 and map$4	147	L14
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10

L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L15 and (temporar$ near file)	1

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L16

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L16	L15 and (temporar$ near file)	1	L16
L15	L14 and L1	5	L15
L14	L7 and map$4	147	L14
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10
L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4

L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L11 and (bit near size)	1

8-4-05

Database:
US Pre-Grant Publication Full-Text Database
US Patents Full-Text Database
US OCR Full-Text Database
EPO Abstracts Database
JPO Abstracts Database
Derwent World Patents Index
IBM Technical Disclosure Bulletins

Search: L13

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC;EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L13	L11 and (bit near size)	1	L13
L12	L11 and size	1	L12
L11	L10 and (identifier or id)	6	L11
L10	L8 and (temporar$ near file)	6	L10
L9	L8 and (temporar$ same file)	6	L9
L8	L7 and L6	7	L8
L7	(file near object) same match$3	290	L7
L6	(("file object") near (identifier or id)) same match$3	7	L6
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
	(file near object) and (size same ((disk near block) or (disk near		

L1	volume)))	104	L1

END OF SEARCH HISTORY

Refine Search

Search Results -

Terms	Documents
L3 and L4	1

Database: US Pre-Grant Publication Full-Text Database; US Patents Full-Text Database; US OCR Full-Text Database; EPO Abstracts Database; JPO Abstracts Database; Derwent World Patents Index; IBM Technical Disclosure Bulletins

Search: L5

Refine Search | Recall Text | Clear | Interrupt

Search History

DATE: Thursday, August 04, 2005 Printable Copy Create Case

Set Name side by side	Query	Hit Count	Set Name result set
DB=PGPB,USPT,USOC,EPAB,JPAB,DWPI,TDBD; PLUR=YES; OP=OR			
L5	L3 and L4	1	L5
L4	("file object") near (identifier or id)	55	L4
L3	L2 and L1	27	L3
L2	"bit size"	6307	L2
L1	(file near object) and (size same ((disk near block) or (disk near volume)))	104	L1

END OF SEARCH HISTORY

First Hit Previous Doc Next Doc Go to Doc#

End of Result Set

Generate Collection Print

L5: Entry 1 of 1 File: PGPB Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116408
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020116408 A1

TITLE: Implementing standards-based file operations in proprietary operating systems

PUBLICATION-DATE: August 22, 2002

INVENTOR-INFORMATION:

NAME	CITY	STATE	COUNTRY	RULE-47
Green, Paul A. JR.	Harvard	MA	US	
Newman, Otto R.	Groton	MA	US	
Evans, Robert N.	Stow	MA	US	

APPL-NO: 09/ 785607 [PALM]
DATE FILED: February 16, 2001

INT-CL: [07] G06 F 12/00

US-CL-PUBLISHED: 707/205
US-CL-CURRENT: 707/205

REPRESENTATIVE-FIGURES: 1

ABSTRACT:

A method for generating a file object identifier. A computer allocates memory to store the identifier. The disk volume holding the file object, the disk block holding the file object, and the value of the offset within the disk block holding the file object are stored in the allocated memory. In one embodiment, the file object is a file, a directory, or a symbolic link. In another embodiment, the memory allocated is 32 bits. In yet another embodiment, the disk volume value is a 4-bit value. In still another embodiment, the disk block value is a 23-bit value. In another embodiment, the block offset value is a 5-bit value. In another embodiment, the offset within the disk block is a multiple of 128 byte increments. In one embodiment, the generated file object identifier is a PORTABLE OPERATING SYSTEM INTERFACE (POSIX) file serial number.

Previous Doc Next Doc Go to Doc#

Hit List

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Search Results - Record(s) 1 through 1 of 1 returned.

☐ 1. Document ID: US 20020116408 A1

Using default format because multiple data bases are involved.

L5: Entry 1 of 1 File: PGPB Aug 22, 2002

PGPUB-DOCUMENT-NUMBER: 20020116408
PGPUB-FILING-TYPE: new
DOCUMENT-IDENTIFIER: US 20020116408 A1

TITLE: Implementing standards-based file operations in proprietary operating systems

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Evans, Robert N.	Stow	MA	US	

US-CL-CURRENT: 707/205

Full | Title | Citation | Front | Review | Classification | Date | Reference | Sequences | Attachments | Claims | KWIC | Draw D...

Clear | Generate Collection | Print | Fwd Refs | Bkwd Refs | Generate OACS

Terms	Documents
L3 and L4	1

Display Format: - Change Format

Previous Page Next Page Go to Doc#

Terms used **mapping file object bit size disk volume value object identifier**

Found **1** of **158,639**

Sort results by relevance

Display results expanded form

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Results 1 - 1 of 1

Relevance scale

1 BrouHaHa- A portable Smalltalk interpreter

Eliot Miranda

December 1987 **ACM SIGPLAN Notices , Conference proceedings on Object-oriented programming systems, languages and applications**, Volume 22 Issue 12

Full text available: pdf(1.10 MB) Additional Information: full citation, abstract, references, citings, index terms

BrouHaHa is a portable implementation of the Smalltalk-80 virtual machine interpreter. It is a more efficient redesign of the standard Smalltalk specification, and is tailored to suit conventional 32 bit microprocessors. This paper presents the major design changes and optimization techniques used in the BrouHaHa interpreter. The interpreter runs at 30% of the speed of the Dorado on a Sun 3/160 workstation. The implementation is portable because it is written in C.

Results 1 - 1 of 1

1 pt
8-4-05

Terms used **mapping file object bit size disk block value object identifier posix file temporary file**

Found **4** of **158,639**

Sort results by relevance

Display results expanded form

Save results to a Binder

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Results 1 - 4 of 4

Relevance scale

1 Query evaluation techniques for large databases

Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Full text available: pdf(9.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

2 Functional-join processing

R. Braumandl, J. Claussen, A. Kemper, D. Kossmann

February 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 8 Issue 3-4

Full text available: pdf(486.22 KB) Additional Information: full citation, abstract, citings, index terms

Inter-object references are one of the key concepts of object-relational and object-oriented database systems. In this work, we investigate alternative techniques to implement inter-object references and make the best use of them in query processing, i.e., in evaluating functional joins. We will give a comprehensive overview and performance evaluation of all known techniques for simple (single-valued) as well as multi-valued functional joins. Furthermore, we will describe special *order-preser ...*

***Keywords**: Functional join, Logical OID, Object identifier, Order-preserving join, Physical OID, Pointer join, Query processing*

3 Query execution techniques for caching expensive methods

Joseph M. Hellerstein, Jeffrey F. Naughton
June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data**, Volume 25 Issue 2
Full text available: pdf(1.53 MB) Additional Information: full citation, abstract, references, citings, index terms

Object-Relational and Object-Oriented DBMSs allow users to invoke time-consuming ("expensive") methods in their queries. When queries containing these expensive methods are run on data with duplicate values, time is wasted redundantly computing methods on the same value. This problem has been studied in the context of programming languages, where "memoization" is the standard solution. In the database literature, sorting has been proposed to deal with this problem. We compare these approaches al ...

4 Broadcast and on-line cultural heritage: Copyright protection and management and a web based library for digital images of the Hellenic cultural heritage

Dimitris K. Tsolis, George K. Tsolis, Emmanouil G. Karatzas, Theodore S. Papatheodorou
November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**
Full text available: pdf(358.69 KB) Additional Information: full citation, abstract, references, index terms

The main issue addressed in this paper is the design and implementation of an Advanced Digital Image Repository, which offers specialized services and a Dedicated User Interface for the protection and management of the Intellectual Property Rights of digitized material. In addition, another main research area of this contribution is the implementation of a Web Based Library, supported by advanced technologies, for the proper presentation of the digital cultural content. The work described in thi ...

Keywords: copyright protection, databases, digital web archives, information systems, java applets, watermarking

Results 1 - 4 of 4

Terms used **bit size disk block value object identifier matching identifier posix file temporary file**

Found **4** of **158,639**

Sort results by: relevance

Display results: expanded form

Save results to a Binder

Search Tips

Open results in a new window

Try an Advanced Search

Try this search in The ACM Guide

Results 1 - 4 of 4

Relevance scale

1 Query evaluation techniques for large databases

Goetz Graefe

June 1993 **ACM Computing Surveys (CSUR)**, Volume 25 Issue 2

Full text available: pdf(9.37 MB) Additional Information: full citation, abstract, references, citings, index terms, review

Database management systems will continue to manage large data volumes. Thus, efficient algorithms for accessing and manipulating large sets and sequences will be required to provide acceptable performance. The advent of object-oriented and extensible database systems will not solve this problem. On the contrary, modern data models exacerbate the problem: In order to manipulate large sets of complex objects as efficiently as today's database systems manipulate simple records, query-processi ...

Keywords: complex query evaluation plans, dynamic query evaluation plans, extensible database systems, iterators, object-oriented database systems, operator model of parallelization, parallel algorithms, relational database systems, set-matching algorithms, sort-hash duality

2 Functional-join processing

R. Braumandl, J. Claussen, A. Kemper, D. Kossmann

February 2000 **The VLDB Journal — The International Journal on Very Large Data Bases**, Volume 8 Issue 3-4

Full text available: pdf(486.22 KB) Additional Information: full citation, abstract, citings, index terms

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Keywords: *Functional join, Logical OID, Object identifier, Order-preserving join, Physical OID, Pointer join, Query processing*

3 Query execution techniques for caching expensive methods

Joseph M. Hellerstein, Jeffrey F. Naughton
June 1996 **ACM SIGMOD Record , Proceedings of the 1996 ACM SIGMOD international conference on Management of data**, Volume 25 Issue 2
Full text available: pdf(1.53 MB) Additional Information: full citation, abstract, references, citings, index terms

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4 Broadcast and on-line cultural heritage: Copyright protection and management and a web based library for digital images of the Hellenic cultural heritage

Dimitris K. Tsolis, George K. Tsolis, Emmanouil G. Karatzas, Theodore S. Papatheodorou
November 2001 **Proceedings of the 2001 conference on Virtual reality, archeology, and cultural heritage**
Full text available: pdf(358.69 KB) Additional Information: full citation, abstract, references, index terms

The main issue addressed in this paper is the design and implementation of an Advanced Digital Image Repository, which offers specialized services and a Dedicated User Interface for the protection and management of the Intellectual Property Rights of digitized material. In addition, another main research area of this contribution is the implementation of a Web Based Library, supported by advanced technologies, for the proper presentation of the digital cultural content. The work described in thi ...

Keywords: copyright protection, databases, digital web archives, information systems, java applets, watermarking

Results 1 - 4 of 4

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200549
(c) 2005 Thomson Derwent
File 344:Chinese Patents Abs Aug 1985-2005/May
(c) 2005 European Patent Office
File 371:French Patents 1961-2002/BOPI 200209
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Set	Items	Description
S1	134000	FILE OR FILES
S2	106432	IDENTIFIER? ? OR ID OR IDS
S3	544	FID OR FIDS
S4	25	POSIX OR PORTABLE()OPERAT?()SYSTEM? ?()INTERFACE? ?
S5	221	VOS OR STRATUS()OPERAT?()SYSTEM? ?
S6	84955	MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S7	1596578	MATCH? OR COMPAR? OR CORELAT? OR CORRELAT? OR SIMILAR?
S8	957	BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR PROPORTION? ?)
S9	2391271	MEMORY? OR STORAGE OR STORING OR STORE? ?
S10	2736	S1(5N)S2 OR S3
S11	5533	S1(5N)S6:S7
S12	190	S10 AND S11
S13	0	S12 AND S8
S14	4	S11 AND S8
S15	1	S11 AND S4:S5
S16	1588	S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR PROPORTION? ?)
S17	69	S16(5N)S6:S7
S18	0	S17 AND S10
S19	0	S17 AND S4:S5
S20	1	S17 AND S8
S21	2	S11 AND S16 AND S8
S22	0	S17 AND S2
S23	5	S14:S15 OR S20:S21
S24	1	S17 AND S11 AND S8
S25	5	S23:S24

25/9/1 (Item 1 from file: 347)
DIALOG(R)File 347:JAPIO

05608258 **Image available**
SYSTEM FOR MANAGING **FILE SPACE** FOR **BIT MAP** SETTING INDEX PART AND DATA PART AS INDEPENDENT FILES

PUB. NO.: 09-223058 [JP 9223058 A]
PUBLISHED: August 26, 1997 (19970826)
INVENTOR(s): NAITO KOICHI
APPLICANT(s): NEC CORP [000423] (A Japanese Company or Corporation), JP (Japan)
APPL. NO.: 08-049649 [JP 9649649]
FILED: February 14, 1996 (19960214)
INTL CLASS: [6] G06F-012/00
JAPIO CLASS: 45.2 (INFORMATION PROCESSING -- Memory Units)

ABSTRACT

PROBLEM TO BE SOLVED: To effectively utilize the file area by managing a space corresponding to a bit map record at a filing system for storing data with index key.

SOLUTION: A bit map record 1-4 manages the state of using a data file 1-2 of a relatively programmed file, a fixed number of continuous data records 1-5 (called logic track) are expressed in the use/non-use state value of one bit, and the displacement of bits is made to correspond to the displacement of the logic track from the head of the data file 1-2. An index file 1-1 is set as a random programmed file and an index record 1-3 preserves an index key 1-6, a leading record address 1-7 of the data record 1-5 stored in the data file 1-2 for the unit of a logic track and a final record address 1-8 and forms a subfile composed of plural logic tracks.

25/9/4 (Item 2 from file: 350)

014870348 **Image available**
WPI Acc No: 2002-691054/200274
XRPX Acc No: N02-545180

File object identifier generation method involves computing offset value within disk block in multi-byte increments and storing offset value in allocated memory

Patent Assignee: EVANS R N (EVAN-I); GREEN P A (GREE-I); NEWMAN O R (NEWM-I)
Inventor: EVANS R N; GREEN P A; NEWMAN O R
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020116408	A1	20020822	US 2001785607	A	20010216	200274	B

Priority Applications (No Type Date): US 2001785607 A 20010216
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020116408	A1		10	G06F-012/00	

Abstract (Basic): US 20020116408 A1

NOVELTY - The values of a disk volume and a disk block holding the file object are stored in a memory allocated for the identifier. The offset value within the disk block is computed in multi-byte increments, and is stored in the allocated memory.

DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:

(1) **File** object identifiers **mapping** method;

(2) Article of manufacture for **mapping file** object identifiers; and

(3) Fault-tolerant computer.

USE - For generating file object identifier such as **portable operating system interface** (**POSIX**) file serial number.

ADVANTAGE - By mapping a value from one bitspace to a value in another bitspace, the order between the bitspaces is reduced.

DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the file object identifier generation system.

pp; 10 DwgNo 1/8

Title Terms: FILE; OBJECT; IDENTIFY; GENERATE; METHOD; COMPUTATION; OFFSET; VALUE; DISC; BLOCK; MULTI; BYTE; INCREMENT; STORAGE; OFFSET; VALUE; ALLOCATE; MEMORY
Derwent Class: T01
International Patent Class (Main): G06F-012/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-F05E; T01-F05G; T01-G05
?

File 347:JAPIO Nov 1976-2005/Apr(Updated 050801)
(c) 2005 JPO & JAPIO
File 350:Derwent WPIX 1963-2005/UD,UM &UP=200549
(c) 2005 Thomson Derwent
File 348:EUROPEAN PATENTS 1978-2005/Jul W04
(c) 2005 European Patent Office
File 324:German Patents Fulltext 1967-200530
(c) 2005 Univentio

Set	Items	Description
S1	376	AU=GREEN P?
S2	18	AU=NEWMAN O?
S3	1109	AU=EVANS R?
S4	1501	S1:S3
S5	998	BITSIZE? OR BIT()SIZE? ?
S6	1666	FILE? ?(3N)IDENTIFIER?
S7	1	S4 AND S5:S6

7/9/1 (Item 1 from file: 350)
DIALOG(R)File 350:Derwent WPIX

014870348 **Image available**
WPI Acc No: 2002-691054/200274
XRPX Acc No: N02-545180
File object identifier generation method involves computing offset value within disk block in multi-byte increments and storing offset value in allocated memory
Patent Assignee: EVANS R N (EVAN-I); GREEN P A (GREE-I); NEWMAN O R (NEWM-I)
Inventor: **EVANS R N** ; **GREEN P A** ; **NEWMAN O R**
Number of Countries: 001 Number of Patents: 001
Patent Family:

Patent No	Kind	Date	Applicat No	Kind	Date	Week	
US 20020116408	A1	20020822	US 2001785607	A	20010216	200274	B

Priority Applications (No Type Date): US 2001785607 A 20010216
Patent Details:

Patent No	Kind	Lan	Pg	Main IPC	Filing Notes
US 20020116408	A1		10	G06F-012/00	

Abstract (Basic): US 20020116408 A1
NOVELTY - The values of a disk volume and a disk block holding the file object are stored in a memory allocated for the identifier. The offset value within the disk block is computed in multi-byte increments, and is stored in the allocated memory.
DETAILED DESCRIPTION - INDEPENDENT CLAIMS are included for the following:
(1) **File** object **identifiers** mapping method;
(2) Article of manufacture for mapping **file** object **identifiers** ; and
(3) Fault-tolerant computer.
USE - For generating **file** object **identifier** such as portable operating system interface (POSIX) file serial number.
ADVANTAGE - By mapping a value from one bitspace to a value in another bitspace, the order between the bitspaces is reduced.
DESCRIPTION OF DRAWING(S) - The figure shows the block diagram of the **file** object **identifier** generation system.

pp; 10 DwgNo 1/8
Title Terms: FILE; OBJECT; IDENTIFY; GENERATE; METHOD; COMPUTATION; OFFSET; VALUE; DISC; BLOCK; MULTI; BYTE; INCREMENT; STORAGE; OFFSET; VALUE; ALLOCATE; MEMORY
Derwent Class: T01
International Patent Class (Main): G06F-012/00
File Segment: EPI
Manual Codes (EPI/S-X): T01-F05E; T01-F05G; T01-G05

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File 348:EUROPEAN PATENTS 1978-2005/Jul W04
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050728,UT=20050721
         (c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200530
         (c) 2005 Univentio

Set     Items   Description
S1     257942   FILE OR FILES
S2      83878   IDENTIFIER? ?
S3        296   POSIX OR PORTABLE()OPERAT???? ?()SYSTEM? ?()INTERFACE? ?
S4       4566   VOS OR STRATUS()OPERAT???? ?()SYSTEM? ?
S5     170244   MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S6    1990900   MATCH? OR COMPAR??? ? OR COMPARAT?R? ? OR COMPARISON? ? OR
             CORELAT? OR CORRELAT? OR SIMILAR?
S7       4562   BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR
               SPACE? ? OR PROPORTION? ?)
S8    1477391   MEMORY? OR STORAGE OR STORING OR STORE? ?
S9       2906   S1(5N)S2
S10     13588   S1(5N)S5:S6
S11     42484   S8(3N)(ALLOCAT? OR ASSIGN? OR ALLOT? OR APPORTION?)
S12       268   S9(20N)S10
S13         0   S12(20N)S7
S14        46   S10(20N)S7
S15         6   S14 AND AC=US/PR
S16         5   S15 AND AY=(1976:2001)/PR
S17        31   S14 AND PY=1976:2001
S18        33   S16:S17
S19         0   S14(20N)S3:S4
S20         0   S19 AND S3:S4
S21        33   IDPAT S18 (sorted in duplicate/non-duplicate order)
S22        33   IDPAT S18 (primary/non-duplicate records only)
S23      5659   S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR
              PROPORTION? ?)
S24       266   S23(5N)S5:S6
S25         3   S24(20N)S9
S26         2   S24(20N)S7
S27         3   S24(20N)S2
S28         7   S24 AND S3:S4
S29        10   S25:S28 NOT S14
S30        10   IDPAT (sorted in duplicate/non-duplicate order)
S31         9   IDPAT (primary/non-duplicate records only)
S32      6896   FID OR FIDS
S33    318230   ID OR IDS
S34     17736   S32 OR S1(1W)S33
S35        84   S34(20N)S10
S36         0   S35(20N)S7
S37         1   S24(5N)S34
S38         4   S24(20N)S32:S33
S39         3   S37:S38 NOT (S14 OR S29)
?
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? t22/5,k/32

22/5,K/32 (Item 32 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00541094 **Image available**
MICROFICHE APPENDIX REFERENCE
MICROFICHE DE REFERENCE
Patent Applicant/Assignee:
CYBEAR INC,
Inventor(s):
CAZZELL Morris T,
CAZZELL Morris G,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200004467 A1 **20000127** (WO 0004467)
Application: WO 99US16089 19990715 (PCT/WO US9916089)
Priority Application: US 98116000 19980715
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HR HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SL SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: G06F-017/30
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 16636

English Abstract
The present invention relates to an improved process and product for updating or patching computer files between a plurality of computers. The invention utilizes an error checking algorithm to perform intermediate checks during the updating.

French Abstract
La presente invention concerne un procede et un produit ameliores pour la mise a jour et la correction de gros fichiers informatiques entre une pluralite d'ordinateurs. Cette invention fait appel a un algorithme de controle d'erreurs pour l'execution de verifications intermediaires pendant la mise a jour.

Patent and Priority Information (Country, Number, Date):
Patent: ... **20000127**
Fulltext Availability:
Detailed Description
Publication Year: **2000**

Detailed Description
... does not utilize a standard C library for File I/O (i.e., a 32 **bit size**); and
(2) the use of a 128 bit CRC or Check Sum **file** process does not maximize assurances **matching** of **files** because it only samples the identified file(s) once.

? t31/5,k/2,4-5,9

31/5,K/2 (Item 2 from file: 348)
DIALOG(R)File 348:EUROPEAN PATENTS

00658294
REAL TIME PROCESSING SYSTEM
ECHTZEITVERARBEITUNGSSYSTEM
SYSTEME DE TRAITEMENT EN TEMPS REEL
PATENT ASSIGNEE:
Sun Microsystems, Inc., (1392738), 901 San Antonio Road, Palo Alto, California 94303-4900, (US), (Proprietor designated states: all)
INVENTOR:
GUPTA, Anil, 1090 NW 75th Terrace, Plantation, FL 33313, (US)
NIXON, Walter, 8261 SW 9th Street, North Lauderdale, FL 33068, (US)
HUMPHREYS, Hugh, 8850 NW 17th Manor, Coral Springs, FL 33071, (US)
LEGAL REPRESENTATIVE:
Laufhutte, Dieter, Dr.-Ing. et al (61841), Lorenz-Seidler-Gossel Widenmayerstrasse 23, 80538 Munchen, (DE)
PATENT (CC, No, Kind, Date): EP 632912 A1 950111 (Basic)
EP 632912 A1 980603
EP 632912 B1 010131
WO 9319421 930930
APPLICATION (CC, No, Date): EP 93908603 930325; WO 93US2838 930325
PRIORITY (CC, No, Date): US 857580 920325
DESIGNATED STATES: DE; ES; FR; GB
INTERNATIONAL PATENT CLASS: G06F-013/00; G06F-013/38; G06F-015/16
CITED PATENTS (EP B): EP 251686 B; US 4363093 A; US 4394726 A; US 4396983 A ; US 5117350 A
NOTE:
No A-document published by EPO
LEGAL STATUS (Type, Pub Date, Kind, Text):

Grant:	010131	B1	Granted patent
Application:	950111	A1	Published application (A1with Search Report ;A2without Search Report)
Oppn None:	020123	B1	No opposition filed: 20011101
Examination:	950111	A1	Date of filing of request for examination: 940811
Search Report:	980603	A1	Drawing up of a supplementary European search report: 980417
Change:	980603	A1	Obligatory supplementary classification (change)
Change:	990317	A1	Representative (change)
*Assignee:	990317	A1	Applicant (transfer of rights) (change): Sun Microsystems, Inc. (1392738) 901 San Antonio Road Palo Alto, California 94303-4900 (US) (applicant designated states: DE;ES;FR;GB)
*Assignee:	990317	A1	Previous applicant in case of transfer of rights (change): ENCORE COMPUTER U.S., INC. (1705460) 6901 West Sunrise Boulevard Fort Lauderdale, FL 33313 (US) (applicant designated states: DE;ES;FR;GB)
Examination:	991215	A1	Date of dispatch of the first examination report: 19991028

LANGUAGE (Publication,Procedural,Application): English; English; English
FULLTEXT AVAILABILITY:

Available Text	Language	Update	Word Count
CLAIMS B	(English)	200105	574
CLAIMS B	(German)	200105	486
CLAIMS B	(French)	200105	682

SPEC B (English) 200105 10190
Total word count - document A 0
Total word count - document B 11932
Total word count - documents A + B 11932

...SPECIFICATION monitoring and debugging of parallel real-time application software. The Encore 91 conforms to IEEE **POSIX** (TM) 1003.1 and the Binary compatibility Standard (BCS) of the 88open Consortium, Ltd.
The...bus transfer is generated after the word is stored in the global memory. A second **file** address **space** will also generate a **compare** , namely, the last eight word file in the mapblock selected by the value in the...

31/5,K/4 (Item 4 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

01129557 **Image available**
DATA RECOVERY TECHNIQUES IN STORAGE SYSTEMS
TECHNIQUES DE RECUPERATION DE DONNEES DANS DES SYSTEMES DE STOCKAGE
Patent Applicant/Assignee:
ARKIVIO INC, 2700 Garcia Avenue, Mountain View, CA 94043, US, US (Residence), US (Nationality), (For all designated states except: US)
Patent Applicant/Inventor:
FOLEY Matthew J, 637 Frederick Avenue, Santa Clara, CA 95050, US, US (Residence), US (Nationality), (Designated only for: US)
KAWECKI Lewis, 8728 Lock Levon Avenue, Kings Beach, CA 96143, US, US (Residence), US (Nationality), (Designated only for: US)
LE Nam, 2764 Glauser Drive, San Jose, CA 95133, US, US (Residence), US (Nationality), (Designated only for: US)
YAKIR Rony, 148 Eunice Avenue, Mountain View, CA 94040, US, US (Residence), US (Nationality), (Designated only for: US)
Legal Representative:
KOTWAL Sujit B (et al) (agent), TOWNSEND AND TOWNSEND AND CREW LLP, Two Embarcadero Center, Eighth Floor, San Francisco, CA 94111-3834, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200451481 A1 20040617 (WO 0451481)
Application: WO 2003US38246 20031201 (PCT/WO US03038246)
Priority Application: US 2002430464 20021202
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ EC EE EG ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MA MD MG MK MN MW MX MZ NI NO NZ OM PG PH PL PT RO RU SC SD SE SG SK SL SY TJ TM TN TR TT TZ UA UG US UZ VC VN YU ZA ZM ZW
(EP) AT BE BG CH CY CZ DE DK EE ES FI FR GB GR HU IE IT LU MC NL PT RO SE SI SK TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) BW GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-012/00
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 16490

English Abstract

Techniques for maintaining data consistency in a storage environment (100). In a HSM controlled storage environment (100), techniques (200) are provided for automatically detecting (212, 226) and correcting (214, 228) inconsistencies after a file system or a portion thereof has been restored from backup (120). The file system may store data files, tag files, and/or repository files that have been restored from backup (120).

French Abstract
L'invention concerne des techniques d'entretien de la coherence de donnees dans un environnement de stockage (100). Dans un environnement de stockage commande par un gestionnaire d'entreposage hierarchique (HSM) (100), des techniques (200) permettent de detecter de facon automatique (212, 226) et de corriger (214, 228) les incoherences d'un systeme de fichier ou d'une partie de celui-ci ayant ete restocke a partir de la sauvegarde (120). Le systeme de fichier peut stocker des fichiers de donnees, des fichiers d'etiquettes et/ou des fichiers d'archivage ayant ete restockes a partir de la sauvegarde (120).

Legal Status (Type, Date, Text)
Publication 20040617 A1 With international search report.
Publication 20040617 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.

Fulltext Availability:
Claims

Claim
... its attributes match the attributes information in the CDb entry (step 514). Attributes may be **compared** and corrected include **file size** , dates associated with the file, special tag **file** data (unique **file identifier** may be stored in the special tag file data), etc. Processing then continues with step...

31/5,K/5 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00982563 **Image available**
SYSTEM, METHOD AND COMPUTER PROGRAM PRODUCT FOR EQUIPPING WIRELESS DEVICES WITH MALWARE SCANNING CAPABILITIES
SYSTEME, PROCEDE ET PRODUIT DE PROGRAMME INFORMATIQUE POUR DOTER DES DISPOSITIFS SANS FIL DE CAPACITES DE RECHERCHE DE MALICIELS
Patent Applicant/Assignee:
NETWORKS ASSOCIATES TECHNOLOGY INC, 3965 Freedom Circle, Santa Clara, CA 95054, US, US (Residence), US (Nationality)
Inventor(s):
KOUZNETSOV Victor, 20287 SW Tremont Way, Aloha, OR 97007, US,
LIBENZI Davide, 20249 NW Galliard Loop, Hillsboro, OR 97124, US,
FALLENSTEDT Martin, 9045 SW 182nd Avenue, Beaverton, OR 97007, US,
PALMER David W, 4816 SW Caldew #B, Portland, OR 97219, US,
PAK Michael C, 15894 NW Andalusian Way, Portland, OR 97229, US,
Legal Representative:
ZILKA Kevin J (agent), Silicon Valley IP Group, P.O. Box 721120, San Jose, CA 95172-1120, US,
Patent and Priority Information (Country, Number, Date):
Patent: WO 200312644 A1 20030213 (WO 0312644)
Application: WO 2002US13570 20020430 (PCT/WO US0213570)
Priority Application: US 2001920065 20010801; US 20016413 20011130; US 2002121087 20020410

Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AE AG AL AM AT AU AZ BA BB BG BR BY BZ CA CH CN CO CR CU CZ DE DK DM DZ
EC EE ES FI GB GD GE GH GM HR HU ID IL IN IS JP KE KG KP KR KZ LC LK LR
LS LT LU LV MA MD MG MK MN MW MX MZ NO NZ OM PH PL PT RO RU SD SE SG SI
SK SL TJ TM TN TR TT TZ UA UG UZ VN YU ZA ZM ZW
(EP) AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE TR
(OA) BF BJ CF CG CI CM GA GN GQ GW ML MR NE SN TD TG
(AP) GH GM KE LS MW MZ SD SL SZ TZ UG ZM ZW
(EA) AM AZ BY KG KZ MD RU TJ TM
Main International Patent Class: G06F-011/30
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 37329

English Abstract
A method and apparatus (100) for scanning (102) a mobile wireless (106) device for viruses.

French Abstract
L'invention concerne un procede et un appareil (100) de recherche de virus dans un dispositif sans fil mobile (106).

Legal Status (Type, Date, Text)
Publication 20030213 A1 With international search report.
Examination 20030530 Request for preliminary examination prior to end of 19th month from priority date

Fulltext Availability:
Detailed Description

Detailed Description
... that many different check functions can be merged into a single record to reduce the **file size** if they are sufficiently **similar** . However, this can cause trouble for incremental updates.

Clean records
A clean record contains a...de-allocation. Under Unix/Linux and Win32, both AlMemSAlIoc and AlMemAlloc are mapped to the **POSIX** malloc. See Table 105.

Table 105
r P
Pyriam, ic @@MeMb A
Arguments ns escription...using the AlMemSFree () function.

Under Unix/Linux and Win32, this function is mapped to the **POSIX** malloc function.

Rigigmg
void* AlMemSAlloc(unsigned int uSize);
Parameters
uSize [in] specifies the amount of...process thread's heap.

Under Unix/Linux and Win32, this function is mapped to the **POSIX** f ree fimction.

ProtoWe
void AlMemSFree(void* ptr);
Parameters
ptr [in] dynamic memory pointer returned...using the AlmemFree ()
function.

Under Unix/Linux and Win32, this function is mapped to the **POSIX** malloc
function.

Protoly12e
void* AlMemAlloc(unsigned int uSize);

Parameters
uSize [in] specifies the amount of a thread other than the one who
allocated it,
Function is mapped to the **POSIX** f ree function in Unix/Linux and Win32
implementations.

PrototWe
void AIT
4emFree(void* ptr...

31/5,K/9 (Item 9 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00300345
COMPUTER SYSTEM INCLUDING A TRANSPARENT AND SECURE FILE TRANSFORM MECHANISM
SYSTEME INFORMATIQUE COMPRENANT UN MECANISME DE TRANSFORMATION TRANSPARENTE ET SURE DE FICHIERS
Patent Applicant/Assignee:
HSU Mike Sheng Con,
Inventor(s):
HSU Mike Sheng Con,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9518496 A1 19950706
Application: WO 94US14486 19941215 (PCT/WO US9414486)
Priority Application: US 93192 19931227
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AU CA JP AT BE CH DE DK ES FR GB GR IE IT LU MC NL PT SE
Main International Patent Class: H04L-009/00
International Patent Class: G06F-12:14
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 10329

English Abstract
A computer system (10) including a file transform mechanism, such as encryption, compression, encoding, translation and conversion, a file storage subsystem (18, 22), a data storage subsystem (16) for storing blocks of data in first and second logical data areas, and a processor (12) for executing instructions implementing an operating system in the first logical data area and an application program in the second logical data area. The processor includes a transform mechanism (56) for transforming a predetermined block of data in the first logical data area separately from any other block of data a request mechanism for selecting

the predetermined block of data to be operated on, and an interface that controls the transfer of the predetermined block of data between the file storage subsystem and the data storage subsystem and between the first and second logical data areas, transforming the data as required.

French Abstract
L'invention concerne un systeme informatique (10) comprenant un mecanisme de transformation de fichiers, par cryptage, compression, codage, traduction et conversion, un sous-systeme de memorisation des fichiers (18, 22), un sous-systeme de memorisation des donnees (16) permettant de memoriser des blocs de donnees dans une premiere et une seconde zones logiques de donnees, et un processeur (12) pour executer les instructions mettant en oeuvre un systeme d'exploitation dans la premiere zone logique de donnees et un programme d'application dans la seconde zone logique de donnees. Le processeur comprend un mecanisme de transformation (56) permettant de transformer un bloc de donnees predetermine dans la premiere zone logique de donnees, separement d'un autre bloc de donnees. Un mecanisme de demande permet de selectionner le bloc de donnees predetermine a traiter. Une interface pilote le transfert du bloc de donnees predetermine entre le sous-systeme de memorisation de fichiers et le sous-systeme de memorisation de donnees, ainsi qu'entre la premiere et la seconde zones logiques de donnees, permettant ainsi de transformer les donnees, comme voulu.

Fulltext Availability:
Detailed Description

Detailed Description
... process
ushort puid; /* real user id
ushort psuid; /* saved uid from exec
int p@sid; /* **POSIX** session id num
short P@pgrp; /* proc grp leader name
short p@pid; /* unique process...end of file or that extend beyond the end of file to be properly handled.

Similarly , the **file size** returned by the status system call procedure is artificially reduced by the size of the...
?

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File   6:NTIS 1964-2005/Jul W4
         (c) 2005 NTIS, Intl Cpyrght All Rights Res
File   2:INSPEC 1969-2005/Jul W4
         (c) 2005 Institution of Electrical Engineers
File   8:Ei Compendex(R) 1970-2005/Jul W4
         (c) 2005 Elsevier Eng.  Info. Inc.
File  57:Electronics & Communications Abstracts 1966-2005/Jul
         (c) 2005 CSA.
File  34:SciSearch(R) Cited Ref Sci 1990-2005/Jul W5
         (c) 2005 Inst for Sci Info
File  56:Computer and Information Systems Abstracts 1966-2005/Jul
         (c) 2005 CSA.
File  35:Dissertation Abs Online 1861-2005/Jul
         (c) 2005 ProQuest Info&Learning
File  60:ANTE: Abstracts in New Tech & Engineer 1966-2005/Jul
         (c) 2005 CSA.
File  65:Inside Conferences 1993-2005/Jul W5
         (c) 2005 BLDSC all rts. reserv.
File  94:JICST-EPlus 1985-2005/Jun W2
         (c)2005 Japan Science and Tech Corp(JST)
File  95:TEME-Technology & Management 1989-2005/Jun W4
         (c) 2005 FIZ TECHNIK
File  99:Wilson Appl. Sci & Tech Abs 1983-2005/Jul
         (c) 2005 The HW Wilson Co.
File 144:Pascal 1973-2005/Jul W4
         (c) 2005 INIST/CNRS
File 256:TecInfoSource 82-2005/Jun
         (c) 2005 Info.Sources Inc
File 266:FEDRIP 2005/Jun
         Comp & dist by NTIS, Intl Copyright All Rights Res
File 434:SciSearch(R) Cited Ref Sci 1974-1989/Dec
         (c) 1998 Inst for Sci Info
File 583:Gale Group Globalbase(TM) 1986-2002/Dec 13
         (c) 2002 The Gale Group

Set     Items   Description
S1     215482   FILE OR FILES
S2      83024   IDENTIFIER? ? OR ID OR IDS
S3       7841   FID OR FIDS
S4       1461   POSIX OR PORTABLE()OPERAT?()SYSTEM? ?()INTERFACE? ?
S5       2164   VOS OR STRATUS()OPERAT?()SYSTEM? ?
S6    1111066   MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S7   12056616   MATCH? OR COMPAR? OR CORELAT? OR CORRELAT? OR SIMILAR?
S8       1764   BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR
                SPACE? ? OR PROPORTION? ?)
S9    1909574   MEMORY? OR STORAGE OR STORING OR STORE? ?
S10      8167   S1(5N)S2 OR S3
S11      6349   S1(5N)S6:S7
S12        25   S10 AND S11
S13         0   S12 AND S8
S14         7   S11 AND S8
S15         7   S11 AND S4:S5
S16      3388   S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR
                PROPORTION? ?)
S17       153   S16(5N)S6:S7
S18         3   S17 AND S10
S19         0   S17 AND S4:S5
S20         0   S17 AND S8
S21         1   S11 AND S16 AND S8
S22         3   S17 AND S2:S3
S23         0   S17 AND S11 AND S8
```

S24 17 S14:S15 OR S18:S22
S25 1 S24/2002:2005
S26 16 S24 NOT S25
S27 7 RD (unique items)

27/7/1 (Item 1 from file: 2)
DIALOG(R)File 2:INSPEC

7033590 INSPEC Abstract Number: C2001-10-4250-018
Title: Probabilistic record linkage: relationships between file sizes , identifiers , **and** match **weights**
Author(s): Cook, L.J.; Olson, L.M.; Dean, J.M.
Author Affiliation: Sch. of Med., Utah Univ., Salt Lake City, UT, USA
Journal: Methods of Information in Medicine vol.40, no.3 p.196-203
Publisher: Schattauer GmbH,
Publication Date: July 2001 Country of Publication: Germany
CODEN: MIMCAI ISSN: 0026-1270
SICI: 0026-1270(200107)40:3L.196:PRLR;1-D
Material Identity Number: M135-2001-004
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P); Theoretical (T)
Abstract: Investigates the relationships between file sizes, the amounts of information contained in commonly-used record linkage variables and the amount of information needed for a successful probabilistic linkage project. We present an equation predicting the amount of information needed for a successful linkage project. Match weights for variables that are commonly used in record linkage are measured using artificially created databases. Linkage algorithms were successful when the sum of minimum weights for variables used in a linkage exceeded the predicted cut-off. Linkage results were acceptable when this sum was near to the predicted cut-off. This technique enables researchers to determine if enough information exists to perform a successful probabilistic linkage. (19 Refs)
Subfile: C

27/7/2 (Item 2 from file: 2)
DIALOG(R)File 2:INSPEC

6627045 INSPEC Abstract Number: C2000-08-6150J-005
Title: Bug removal [Unix]
Author(s): Collinson, P.
Journal: EXE vol.15, no.1 p.21-3
Publisher: Centaur Communications,
Publication Date: June 2000 Country of Publication: UK
CODEN: EXEEE5 ISSN: 0268-6872
SICI: 0268-6872(200006)15:1L.21:RU;1-0
Material Identity Number: L815-2000-006
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Unix has a tradition of providing program debuggers. The earliest systems supported the necessary low-level hooks in the form of the ptrace system call. This allowed one program to monitor the execution of another. Originally this was no mean feat. Generally, a Unix process cannot access the address space of another. This is a good thing, because my program cannot write random data into your address space, making bugs generally deterministic. My bugs are my bugs and are not induced by your bad programming. Also, there is a security aspect: your program cannot see

the unencrypted password that I've just typed into my program. However, a debugger legitimately wants to access the address space of another process and the ptrace system call is provided to support the need. On the original systems, the ptrace call conducted an elaborate dance where the data was passed using messages between the two processes. Code in the traced process co-operated to move the information between its address space and the kernel, the debugger interfaced with the kernel to control its target program. The ptrace call made it into **POSIX** , so is a standard part of the Unix environment. However, these days, many systems additionally support the /proc filesystem, which is essentially a device driver that places sundry information for all the running processes into the filesystem tree. The per-process information contains a **file** that **maps** onto the address space for the process. Any program can now inspect and change the address space of another by using the standard I/O system calls acting on a file in the /proc filesystem. Security is maintained by using the normal filesystem permissions. (0 Refs)
Subfile: C

27/7/3 (Item 3 from file: 2)
DIALOG(R)File 2:INSPEC

6251510 INSPEC Abstract Number: C1999-06-6150J-038
Title: JEM-DOOS: the Java/RMI based distributed objects operating system of the JEM project
Author(s): Chaumette, S.
Author Affiliation: LaBRI, Univ. Bordeaux I, France
Conference Title: Computing in Object-Oriented Parallel Environments. Second International Symposium, ISCOPE 98. Proceedings p.135-42
Editor(s): Caromel, D.; Oldehoeft, R.R.; Tholburn, M.
Publisher: Springer-Verlag, Berlin, Germany
Publication Date: 1998 Country of Publication: Germany xi+242 pp.
ISBN: 3 540 65387 2 Material Identity Number: XX-1998-03397
Conference Title: Computing in Object-Oriented Parallel Environments. Second International Symposium, ISCOPE 98. Proceedings
Conference Date: 8-11 Dec. 1998 Conference Location: Sante Fe, NM, USA
Language: English Document Type: Conference Paper (PA)
Treatment: Practical (P)
Abstract: The Java technology (K. Arnold and J. Gosling, 1996) provides support to design and develop platforms to deal with heterogeneous networks. One of the goals of the JEM project, "Experimentation environMent for Java", carried out at LaBRI is to design and develop such a platform. The JEM project (S. Chaumette, 1998) consists of: providing a distributed platform that makes using heterogeneous networks of computers easier; using this platform as a laboratory for experimentation purpose. It is based on Java, RMI (D. Lea, 1997) and CORBA (J. Siegel, 1996). We present an overview of the conception and the implementation of the kernel of our platform. This kernel is called JEM-DOOS for JEM-Distributed Objects Operating System. Its inspiration owes a lot to **POSIX** , especially to **POSIX** .1. We adapt the way this norm deals with file systems to deal with object systems, i.e, hierarchies of objects **similar** to **POSIX** hierarchies of **files** . In the current release, alpha 0.1, objects we have implemented provide access to system resources, such as processors, screens, etc. Furthermore, JEM-DOOS supports remote access to objects, which makes it distributed. Hence, JEM-DOOS provides a way to deal with heterogeneous objects in heterogeneous networks of computers. (15 Refs)
Subfile: C

27/7/4 (Item 4 from file: 2)
DIALOG(R)File 2:INSPEC

5511257 INSPEC Abstract Number: C9704-6150J-005
Title: The expected lifetime of single-address-space operating systems
Author(s): Kotz, D.; Crow, P.
Author Affiliation: Dartmouth Coll., Hanover, NH, USA
Journal: Computing Systems vol.9, no.3 p.155-78
Publisher: MIT Press,
Publication Date: Summer 1996 Country of Publication: USA
CODEN: CMSYE2 ISSN: 0895-6340
SICI: 0895-6340(199622)9:3L.155:ELSA;1-K
Material Identity Number: M635-96003
U.S. Copyright Clearance Center Code: 0895-6340/96/$10.00
Language: English Document Type: Journal Paper (JP)
Treatment: Practical (P)
Abstract: Trends toward shared-memory programming paradigms, large (64- **bit**) address **spaces** , and memory- **mapped** **files** have led some to propose the use of a single virtual-address space, shared by all processes and processors. To simplify address-space management, some have claimed that a 64- **bit** address **space** is sufficiently large that there is no need to ever re-use addresses. Unfortunately, there has been no data to either support or refute these claims, or to aid in the design of appropriate address-space management policies. The authors present the results of extensive kernel-level tracing of the workstations on their campus, and discuss the implications for single-address-space operating systems. They found that single-address-space systems will probably not outgrow the available address space, but only if reasonable space-allocation policies are used, and only if the system can adapt as larger address spaces become available. (20 Refs)
Subfile: C

27/7/5 (Item 5 from file: 2)
DIALOG(R)File 2:INSPEC

03228728 INSPEC Abstract Number: C88058566
Title: EUUG UNIX Around the World. Proceedings of the Spring 1988 EUUG Conference
Editor(s): Das, S.K.
Publisher: Eur. UNIX Syst. User Group, Buntingford, UK
Publication Date: 1988 Country of Publication: UK 325 pp.
ISBN: 0 9513181 0 1
Conference Sponsor: Eur. UNIX Syst. User Group
Conference Date: 11-15 April 1988 Conference Location: London, UK
Language: English Document Type: Conference Proceedings (CP)
Treatment: Practical (P)
Abstract: The following topics were dealt with: tool-based 3-D modelling and animation workstation; JUNET environment; file system activity in UNIX system, Miranda; GOTHIX distributed system; X25 PLP, implementation in ISO 8802 LAN environments; UNO; USENET news on optical disk; software documentation tool; multilevel security; multiprocessor UNIX; word manipulation in online catalog searching; use of UNIX for library experiments; software tools for searching use of UNIX for library experiments; software tools for music; UNIX arithmetic; transaction support features; toolkit for software configuration management; OFS-optical view

of UNIX file system; software re-engineering using C++; directly **mapped files** ; SunOS programming environment; **POSIX** ; SunOS virtual memory implementation; and Andrew toolkit. Abstracts of individual papers can by found under the relevant classification codes in this or other issues.
Subfile: C

27/7/6 (Item 1 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00993770 E96051305297
Unix, fuer Echtzeit massgeschneidert
(Amended UNIX for real-time applications)
anonym
Digital Equipment, D
Design und Elektronik, v75, n11, pp30,32-33, 1996
Document type: journal article Language: German
Record type: Abstract
ISSN: 0933-8667

ABSTRACT:
Digital Equipment hat sich der Aufgabe gestellt, ein Unix-Betriebssystem anzubieten, das auf Echtzeit-Beduerfnisse zugeschnitten ist. Das Echtzeit-Unix von Digital Equipment vereint die nachstehenden Merkmale und stellt sie als integralen Bestandteil des Kernels und der Programmier-Bibliotheken zur Verfuegung: Preemptives Kernel, feste Prioritaeten und preemptives Scheduling, Echtzeituhr und Timer, Memory Locking, asynchrones E/A, zuverlaessige asynchrone Signale, Prozess-Kommunikationsmoeglichkeiten, synchrones E/A, binaere Semaphoren, Echtzeit-Signale, Memory **mapped files** und Shared Memory sowie Echtzeit-Message Passing. Die **Posix** -Spezifikationen gemaess dem Standard 1003.1b werden erfuellt.

27/7/7 (Item 2 from file: 95)
DIALOG(R)File 95:TEME-Technology & Management

00956672 E96011720246
Mehr als Unix. Ein Echtzeitbetriebssystem mit den Faehigkeiten von Unix
(More than Unix. A real-time operating system with Unix abilities)
anonym
Markt und Technik, v11, n3, pp45-47, 1996
Document type: journal article Language: German
Record type: Abstract
ISSN: 0344-8843

ABSTRACT:
Unix-Echtzeitbetriebssyteme sollen folgende Eigenschaften besitzen: preemptiver Kernel, feste Prioritaeten und preemptives Scheduling, Echtzeituhr, Zeitgeber, Memory Locking, asynchrone Eingabe und asynchrone Ausgabe, zuverlaessige asynchrone Signale, Prozesskommunikationsmoeglichkeiten, synchrone Eingabe und synchrone Ausgabe, binaere Semaphoren, Echtzeitsignale, Memory **mapped Files** , Shared Memory und Echtzeit-Message Passing. Das Betriebssystem Digital Unix der Firma Digital Equipment Corporation erfuellt diese Merkmale und entspricht den Standarddefinitionen von **Posix** 1003.1b (**Portable Operating System Interface**). Digital Unix unterstuetzt Einzelfall-bezogene und periodische Timer und bietet zwei Arten von Memory

Locking an: Halten eines bestimmten Adressbereiches im Speicher oder Halten des gesamten virtuellen Adressraumes im Speicher. Es realisiert drei Interprozess-Kommunikationsmoeglichkeiten: Shared Memory, binaere und Zaehl-Semaphoren sowie Message Passing.
?

```
File 696:DIALOG Telecom. Newsletters 1995-2005/Aug 03
         (c) 2005 Dialog
File  15:ABI/Inform(R) 1971-2005/Aug 03
         (c) 2005 ProQuest Info&Learning
File  98:General Sci Abs/Full-Text 1984-2004/Dec
         (c) 2005 The HW Wilson Co.
File 112:UBM Industry News 1998-2004/Jan 27
         (c) 2004 United Business Media
File 141:Readers Guide 1983-2004/Dec
         (c) 2005 The HW Wilson Co
File 484:Periodical Abs Plustext 1986-2005/Jul W5
         (c) 2005 ProQuest
File 813:PR Newswire 1987-1999/Apr 30
         (c) 1999 PR Newswire Association Inc
File 613:PR Newswire 1999-2005/Aug 03
         (c) 2005 PR Newswire Association Inc
File 635:Business Dateline(R) 1985-2005/Aug 03
         (c) 2005 ProQuest Info&Learning
File 810:Business Wire 1986-1999/Feb 28
         (c) 1999 Business Wire
File 610:Business Wire 1999-2005/Aug 03
         (c) 2005 Business Wire.
File 369:New Scientist 1994-2005/May W4
         (c) 2005 Reed Business Information Ltd.
File 370:Science 1996-1999/Jul W3
         (c) 1999 AAAS
File  20:Dialog Global Reporter 1997-2005/Aug 03
         (c) 2005 Dialog
File 624:McGraw-Hill Publications 1985-2005/Aug 03
         (c) 2005 McGraw-Hill Co. Inc
File 634:San Jose Mercury  Jun 1985-2005/Aug 03
         (c) 2005 San Jose Mercury News
File 647:CMP  Computer Fulltext 1988-2005/Jul W3
         (c) 2005 CMP Media, LLC
File 674:Computer News Fulltext 1989-2005/Jul W5
         (c) 2005 IDG Communications

Set     Items   Description
S1    1668530   FILE OR FILES
S2     689904   IDENTIFIER? ? OR ID OR IDS
S3       3017   FID OR FIDS
S4       4414   POSIX OR PORTABLE()OPERAT?()SYSTEM? ?()INTERFACE? ?
S5      10051   VOS OR STRATUS()OPERAT?()SYSTEM? ?
S6     736122   MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S7    9735142   MATCH? OR COMPAR? OR CORELAT? OR CORRELAT? OR SIMILAR?
S8       4794   BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR
              SPACE? ? OR PROPORTION? ?)
S9    4331378   MEMORY? OR STORAGE OR STORING OR STORE? ?
S10      4737   S1(5N)S2 OR S3
S11     18646   S1(5N)S6:S7
S12        57   S10(S)S11
S13         0   S12(S)S8
S14        12   S11(S)S8
S15        14   S11(S)S4:S5
S16     14372   S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR
             PROPORTION? ?)
S17       269   S16(5N)S6:S7
S18         1   S17(S)S10
S19         0   S17(S)S4:S5
S20         4   S17(S)S8
S21       380   S11(S)S16
```

S22 5 S21(S)S8
S23 1 S17(S)S2:S3
S24 245 S17(S)S11
S25 4 S24(S)S8
S26 27 S14:S15 OR S18:S20 OR S22:S23 OR S25
S27 10 S26/2002:2005
S28 17 S26 NOT S27
S29 14 RD (unique items)

29/3,K/1 (Item 1 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01641712 02-92701
Porting Tools Pave The Way For UNIX On NT
Feibus, Andy
Informationweek n683 PP: 6A-12A May 25, 1998
ISSN: 8750-6874 JRNL CODE: IWK
WORD COUNT: 2162

...ABSTRACT: of standard pieces that will make Unix users feel at home, including conformance to the **Posix**.1 and **Posix** .2 standards, and System V interprocess communications routines. Other low-level features that OpenNT provides include support for pseudo-terminals, the curses character user interface library, and memory- **mapped files** . A number of useful utilities are also provided, including Perl, the Apache Web server, and...

29/3,K/4 (Item 4 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01364303 00-15290
HP's visualize B132L workstation
Barker, Ralph
UNIX Review v15n2 PP: 55-61 Feb 1997
ISSN: 0742-3136 JRNL CODE: UXR
WORD COUNT: 3041

...TEXT: 75GB RAM maximum. Applications running on 10.20 can provide faster file access by using **POSIX** and OSF AES-compliant memory- **mapped file** (MMF) calls. Applications also can take advantage of userspace threads based on **POSIX** 3.1c specifications and the thread-safe libraries for C++ applications.

From a user perspective...

29/3,K/5 (Item 5 from file: 15)
DIALOG(R)File 15:ABI/Inform(R)

01364301 00-15288
CIFS: Common Internet file system
Tanner, Jeff
UNIX Review v15n2 PP: 31-41 Feb 1997
ISSN: 0742-3136 JRNL CODE: UXR
WORD COUNT: 5982

...TEXT: file, read file, and unlock file. However, it is not clear how

well batch operations **map** into **POSIX** **file** -system APIs. For instance, to generate a batch operation implies delaying the over-the-wire calls for **POSIX** file-system calls such as open/lock/read/unlock.

Network File Locking

In NFS, if...

29/3,K/7 **(Item 7 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

01140120 97-89514
In defense of language-independent standards
Meek, Brian; Pronk, C; Moore, James W; Emery, David; et al
Communications of the ACM v39n1 PP: 112-119 Jan 1996
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 5660

...TEXT: between these subjects. The authors seem to mix-up these concepts in their example: the **mapping** of **POSIX** **file** descriptors onto C-integers. Such a mapping allows the--not meaningful--addition of file descriptors...

29/3,K/8 **(Item 8 from file: 15)**
DIALOG(R)File 15:ABI/Inform(R)

00946241 95-95633
Language-independent standards
Moore, James W; Emery, David; Rada, Roy
Communications of the ACM v37n12 PP: 17-20 Dec 1994
ISSN: 0001-0782 JRNL CODE: ACM
WORD COUNT: 2387

...TEXT: semi-)formal manner. Identifying the details of such abstractions can be surprisingly difficult. For example, **POSIX** **file** descriptors, **similar** to those in Unix, are integers. Does that mean it is appropriate to increment a **POSIX** file descriptor in order to traverse the space of file descriptors? Is it appropriate to...

...files? Is it appropriate to add two file descriptors? Different experts involved in writing the **POSIX** /C standard give differing answers to these questions, but the answers to those questions have...

...is some ultimate implementation limit on the representation of an integer. So the otherwise attractive **mapping** of LIS **file** descriptor to C integer has the effect of only approximating the notion of permitting an ...

29/3,K/12 **(Item 1 from file: 624)**
DIALOG(R)File 624:McGraw-Hill Publications

0368434
Answers to Unix
Unix World, Vol. IX, No. 3, Pg 105

March, 1992
JOURNAL CODE: UNIX
SECTION HEADING: Answers to Unix ISSN: 0739-5922
WORD COUNT: 2,231

TEXT:

... version simply provides a unique file name in the default temporary directory.

According to the **Posix** .1 standard, tmpnam() belongs to a group of library functions defined by the ANSI C standard, which specifies that tmpnam() must generate **file** names that don't **match** those of any existing **files** . Like SVR4, ANSI C requires that the TMPMAX number of file names be generated before...
?

```
File   9:Business & Industry(R) Jul/1994-2005/Aug 03
         (c) 2005  The Gale Group
File  16:Gale Group PROMT(R) 1990-2005/Aug 03
         (c) 2005 The Gale Group
File  47:Gale Group Magazine DB(TM) 1959-2005/Aug 04
         (c) 2005 The Gale group
File 148:Gale Group Trade & Industry DB 1976-2005/Aug 04
         (c)2005 The Gale Group
File 160:Gale Group PROMT(R) 1972-1989
         (c) 1999 The Gale Group
File 275:Gale Group Computer DB(TM) 1983-2005/Aug 04
         (c) 2005 The Gale Group
File 570:Gale Group MARS(R) 1984-2005/Aug 03
         (c) 2005 The Gale Group
File 621:Gale Group New Prod.Annou.(R) 1985-2005/Aug 04
         (c) 2005 The Gale Group
File 636:Gale Group Newsletter DB(TM) 1987-2005/Aug 03
         (c) 2005 The Gale Group
File 649:Gale Group Newswire ASAP(TM) 2005/Jul 25
         (c) 2005 The Gale Group

Set     Items   Description
S1    1890315   FILE OR FILES
S2     432247   IDENTIFIER? ? OR ID OR IDS
S3       2591   FID OR FIDS
S4      10831   POSIX OR PORTABLE()OPERAT?()SYSTEM? ?()INTERFACE? ?
S5       5810   VOS OR STRATUS()OPERAT?()SYSTEM? ?
S6     666571   MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S7    7625446   MATCH? OR COMPAR? OR CORELAT? OR CORRELAT? OR SIMILAR?
S8       6093   BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR
              SPACE? ? OR PROPORTION? ?)
S9    5594942   MEMORY? OR STORAGE OR STORING OR STORE? ?
S10      5848   S1(5N)S2 OR S3
S11     36470   S1(5N)S6:S7
S12       118   S10(S)S11
S13         0   S12(S)S8
S14        38   S11(S)S8
S15        34   S11(S)S4:S5
S16     31481   S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR
             PROPORTION? ?)
S17       719   S16(5N)S6:S7
S18         1   S17(S)S10
S19         0   S17(S)S4:S5
S20         8   S17(S)S8
S21      1028   S11(S)S16
S22        14   S21(S)S8
S23         1   S17(S)S2:S3
S24       665   S17(S)S11
S25         8   S24(S)S8
S26        73   S14:S15 OR S18:S20 OR S22:S23 OR S25
S27         9   S26/2002:2005
S28        64   S26 NOT S27
S29        48   RD (unique items)

 29/3,K/3     (Item 3 from file: 16)
DIALOG(R)File  16:Gale Group PROMT(R)
(c) 2005 The Gale Group. All rts. reserv.

04687302    Supplier Number: 46899391  (USE FORMAT 7 FOR FULLTEXT)
Future Web servers will need 64-bit OSes
Electronic Engineering Times, p108
```

Nov 18, 1996
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 1751

... application uses1 Tbyte of virtual address space, and assuming a quarter (262) of the 64- **bit** address **space** is available for mapping, you get space to map 4 million 1-Tbyte applications simultaneously...ufs64 file system can be as large as 2 Tbytes, 64-bit processes can memory- **map** large **files** in this **file** system. A full 64-bit file system that allows **volumes** and **files** as large as 264 bits is under development.
A 64-bit operating system can support...

29/3,K/4 (Item 1 from file: 47)
DIALOG(R)File 47:Gale Group Magazine DB(TM)

05202291 SUPPLIER NUMBER: 21003971
Real Time Goes Mainstream.(Extensions to the Posix standard support real-time needs) (Technology Information)
Friesenhahn, Bob
Byte, v23, n7, p39(1)
July, 1998
ISSN: 0360-5280 LANGUAGE: English RECORD TYPE: Abstract

ABSTRACT: The **Posix** .4 standard offers a sophisticated mmap() function that employs a **file** descriptor for shared-memory **mapping** . The shm...

...open() with the same path argument and the same returned **file** descriptor, **mapping** will be directed to the same physical memory. Mmap() maps memory among processes and can be used to **map** a disk **file** into memory. Traditional approaches to synchronous I/O put applications to sleep when writing to a disk file. **Posix** .4 overcomes this for real-time applications by providing asynchronous I/O that enables the...

29/3,K/10 (Item 2 from file: 148)
DIALOG(R)File 148:Gale Group Trade & Industry DB

09163826 SUPPLIER NUMBER: 18919899 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Future Web servers will need 64-bit OSes.(Special Report on Designing Computers, Part IV: Net-centric Systems) (Technology Information)(Technical)
Bharadwaj, Rajeev; Rodriguez, Robert
Electronic Engineering Times, n928, p108(2)
Nov 18, 1996
DOCUMENT TYPE: Technical ISSN: 0192-1541 LANGUAGE: English
RECORD TYPE: Fulltext; Abstract
WORD COUNT: 1896 LINE COUNT: 00148

... ufs64 file system can be as large as 2 Tbytes, 64-bit processes can memory- **map** large **files** in this **file** system. A full 64-bit file system that allows **volumes** and **files** as large as 264 bits is under development.
A 64-bit operating system can support...

29/3,K/13 (Item 5 from file: 148)

DIALOG(R)File 148:Gale Group Trade & Industry DB
(c)2005 The Gale Group. All rts. reserv.

06737639 SUPPLIER NUMBER: 14474522 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Forces Command finds Posix compliance essential.
Bauer, Claude J.
Government Computer News, v12, n21, p68(1)
Sept 27, 1993
ISSN: 0738-4300 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 536 LINE COUNT: 00045

... running the Network File System.
"Posix has made it easier to share data and transfer **files** between **similar** systems," Rodriguez explained. "We don't have to make special programs or homegrown fixes to be able to talk among all the **Posix** -compliant systems."

29/3,K/20 (Item 1 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

02404265 SUPPLIER NUMBER: 62535512 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Bug removal; adb, sdb, gdb, ddd, ups□ Peter Collinson dissects the etymology of Unix debuggers.(Technology Information)
EXE, 21(5)
June 1, 2000
ISSN: 0268-6872 LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 2831 LINE COUNT: 00210

... interfaced with the kernel to control its target program.
The ptrace call made it into **POSIX** , so is a standard part of the Unix environment. However, these days, many systems additionally...

...running processes into the filesystem tree. Among other things, the per-process information contains a **file** that **maps** onto the address space for the process. Any program can now inspect and change the...

29/3,K/21 (Item 2 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02159221 SUPPLIER NUMBER: 20404043 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Hewlett-Packard's Visualize C240 workstation. (includes related article on benchmark testing) (Hardware Review)(Evaluation)
Barker, Ralph
UNIX Review's Performance Computing, v1,. n1, p59(7)
April, 1998
DOCUMENT TYPE: Evaluation LANGUAGE: English RECORD TYPE: Fulltext ; Abstract
WORD COUNT: 3860 LINE COUNT: 00313

... size. Applications running on 10.20 can provide faster file access through the use of **POSIX** -and OSF-AES-compliant memory- **mapped file** calls. Applications also can take advantage of user-space threads based on **POSIX** 3.1c specifications and the thread-safe libraries for C + + applications.
HP's current version...

29/3,K/23 (Item 4 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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02028308 SUPPLIER NUMBER: 19031219 (USE FORMAT 7 OR 9 FOR FULL TEXT)
CIFS: common Internet file system. (Technology Information)
Tanner, Jeff
UNIX Review, v15, n2, p31(9)
Feb, 1997
ISSN: 0742-3136 LANGUAGE: English RECORD TYPE: Fulltext; Abstract
WORD COUNT: 6540 LINE COUNT: 00516

... file, read file, and unlock file. However, it is not clear how well batch operations **map** into **POSIX** **file** -system APIs. For instance, to generate a batch operation implies delaying the over-the-wire calls for **POSIX** file-system calls such as open/lock/read/unlock.
Network File Locking
In NFS, if...

29/3,K/24 (Item 5 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
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01868526 SUPPLIER NUMBER: 17603566 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Tenon Intersystems. (version 4.0 of the MachTen Power Unix for the Power Macintosh) (Brief Article) (Product Announcement)
UNIX Review, v13, n13, p115(1)
Dec, 1995
DOCUMENT TYPE: Brief Article Product Announcement ISSN: 0742-3136
LANGUAGE: English RECORD TYPE: Fulltext
WORD COUNT: 178 LINE COUNT: 00018

TEXT:
...Ten) Power UNIX for the Power Macintosh. Architectural improvements include dynamically linked shared libraries, memory- **mapped** **file** access, and integrated UNIX and Macintosh development tools. The product is the only version of...

...on BSD 4.4 and conforms to the Federal Information Processing Standard 151-2 (the **POSIX** FIPS). The native PowerPC package contains a complete UNIX software-development environment with a source...

29/3,K/25 (Item 6 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01709382 SUPPLIER NUMBER: 15556639 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Win32 Q & A. (Column)
Richter, Jeffrey
Microsoft Systems Journal, v9, n8, p87(3)
August, 1994
DOCUMENT TYPE: Column ISSN: 0889-9932 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT
WORD COUNT: 1548 LINE COUNT: 00129

... ATTRIBUTES lpsa,
DWORD fdwProtect,

DWORD dwMaximumSizeHigh,
DWORD dwMaximumSizelow,
LPCTSTR lpszMapName);

This function creates a **file - mapping** object. The first parameter, hFile, tells the system whether the storage for this **file - mapping** object exists in a disk **file** or in the system's paging file. To have the system commit storage from the...

...how much storage to commit. The system combines these two parameters to get the 64- **bit size** value.

You must also use the fdwProtect parameter to tell the system how you intend...

29/3,K/26 (Item 7 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01669237 SUPPLIER NUMBER: 15062164 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Operating systems for database servers. (Software Review) (Cover Story) (Evaluation)
Linthicum, David
DBMS, v7, n2, p62(6)
Feb, 1994
DOCUMENT TYPE: Evaluation ISSN: 1041-5173 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 4177 LINE COUNT: 00337

... NT adds support for RISC processors (Mips and Alpha platforms), C2-level security certification, and 1Posix compliance -- all of which are missing from OS/2. (See Figure 2.) Additional advanced features include fault tolerance using a transaction-oriented recoverable **file** system, disk mirroring, and memory- **mapped files** that allow disk-based **files** to link to a range of virtual memory addresses. The NT user interface looks like...
? t29/3,k/30-32,36-37,40-41

29/3,K/30 (Item 11 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)
(c) 2005 The Gale Group. All rts. reserv.

01600980 SUPPLIER NUMBER: 13914913 (USE FORMAT 7 OR 9 FOR FULL TEXT)
POSIX interface for MPE/iX. (portable operating system interface, HP's operating system) (Technical)
Lalwani, Rajesh
Hewlett-Packard Journal, v44, n3, p41(6)
June, 1993
DOCUMENT TYPE: Technical ISSN: 0018-1153 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 3706 LINE COUNT: 00291

... in the file owner class of a file if the effective UID of the process **matches** the UID of the **file** . A process is in the file group class of a file if the process is...

...class and if the effective GID or one of the supplementary GIDs of the process **matches** the GID associated with the **file** . A specific implementation of **POSIX** may define additional members of the file group class. Lastly, a process is in the and map the access permissions granted by the ACD into **file** permission bits using this **mapping** in reverse.

Fig. 9 illustrates the **mapping** between **file** permission bits and MPE ACD entries.

Conclusion

When the MPE XL operating system was being...

29/3,K/31 (Item 12 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

01550518 SUPPLIER NUMBER: 13043235 (USE FORMAT 7 OR 9 FOR FULL TEXT)

VMS mythconceptions: what's the difference? (VMS operating system's DIFFERENCES command) (Tutorial)

Leichter, Jerrold

Digital Systems Journal, v14, n6, p47(3)
Nov-Dec, 1992
DOCUMENT TYPE: Tutorial ISSN: 1067-7224 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2639 LINE COUNT: 00192

... can exert over it through DIFFERENCES command qualifiers. We'll also look at a different **file comparison** utility, the UNIX diff command, now available to VMS users through VMS **POSIX** , as well as in various older free implementations.

DIFF's algorithm has a long history...is by default written to a file, not to SYS$OUTPUT.

DIFF's algorithm for **comparing files** , although fast and simple, is not the only choice. The UNIX diff utility, versions of...

...and other sources for years on VMS -- and which is now also available in VMS **POSIX** -- takes a very different approach. Rather than concentrating on the changes, UNIX diff looks at...

29/3,K/32 (Item 13 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

01540007 SUPPLIER NUMBER: 12768937 (USE FORMAT 7 OR 9 FOR FULL TEXT)

POSIX and VMS: a technical view. (DEC's operating system not directly compatible with interface standard)

Walls, Keith

VAX Professional, v14, n5, p27(3)
Sept-Oct, 1992
ISSN: 8750-9628 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2234 LINE COUNT: 00176

... is analogous, though sufficiently different as to warrant supplemental code and handling of files. The **POSIX** filenaming character set and directory path syntax are different from those of native VMS. This requires that the implementation of **POSIX** on VMS should provide a translation mechanism for its own native path and **file** names to **map** them onto the existing VMS RMS and file system. The only alternative would be to...

29/3,K/36 (Item 17 from file: 275)

DIALOG(R)File 275:Gale Group Computer DB(TM)

01455758 SUPPLIER NUMBER: 11471487 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Christoph Eck on: real-time standards. (includes a related article profiling an IEEE working group) (column)
Eck, Christoph
Computer Design, v30, n13, p25(3)
Oct, 1991
DOCUMENT TYPE: column ISSN: 0010-4566 LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2421 LINE COUNT: 00195

... the smaller systems being completely compatible subsets of the larger systems.
POSIX D1003.4
The **Posix** .4 group has created drafts of four documents: P1003.4, P1003. ...them to be declared unswappable to guarantee worst-case response times); shared memory and memory- **mapped files** ; and fully preemptive, priority-based scheduling that's supported by two main scheduling policies, FIFO...

29/3,K/37 (Item 18 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01447110 SUPPLIER NUMBER: 11156505 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Enhancing QuickBASIC's capabilities with CALL INTERRUPT. (tutorial)
Weber, Phil
TECH Specialist, v2, n8, p17(6)
August, 1991
DOCUMENT TYPE: tutorial ISSN: 1049-913X LANGUAGE: ENGLISH
RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2286 LINE COUNT: 00164

... specify any combination of the hidden, system, or directory bits, the search will find normal **files** and **files matching** those attributes. if you specify the **volume** label **bit** , only the volume label will be found. Functions 4Eh and 4Fh do not use the...

29/3,K/40 (Item 21 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01435265 SUPPLIER NUMBER: 10843966 (USE FORMAT 7 OR 9 FOR FULL TEXT)
POSIX for VMS: Digital's traditional operating system is about to embark on a new era.
Naecker, Philip A.
DEC Professional, v10, n5, p58(5)
May, 1991
ISSN: 0744-9216 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2888 LINE COUNT: 00228

... the file "DataFile" and "DATAFILE", whereas VMS doesn't support lowercase for filenames.
Therefore, in **POSIX** for VMS there will need to be a means of mapping between **POSIX** -style filenames and VMS-style filenames. VMS Engineering has indicated that a system of "container **files** " will be used to **map** between filenames, essentially acting as a second directory structure. However, the actual data will be...

...that these protections will apply transparently even when the file is being accessed by a **POSIX** application.

Another difficult detail is the fundamental difference between POSIX processes and VMS processes. In...

29/3,K/41 (Item 22 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01425512 SUPPLIER NUMBER: 10568859 (USE FORMAT 7 OR 9 FOR FULL TEXT)
Portable Posix in real time.
Gallmeister, Bill
UNIX Review, v9, n4, p32(5)
April, 1991
ISSN: 0742-3136 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 2902 LINE COUNT: 00235

... memory provides the widest possible bandwidth for interprocess communication and therefore the fastest performance possible.

POSIX .4 shared memory is accessed through a shared memory special file. Once opened, a process can call shmmap() on the **file** to **map** a given portion of the **file** into the process address space. Shmunmap() removes the **mappings** . Shmmap() is not defined for **files** other than shared memory special files-this is not a facility for **mapping** any **file** into process address space.

Priority Scheduling Facilities. Priority scheduling facilities support deterministic priority-based scheduling...
? t29/3,k/42-43,48

29/3,K/42 (Item 23 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01320457 SUPPLIER NUMBER: 07699746 (USE FORMAT 7 OR 9 FOR FULL TEXT)
BCS: fulfilling the UNIX promise.(Binary Compatibility Standard)
Anderson, Alice; Cruess, Michael; Wiencek, Edward
DG Review, v10, n2, p34(1)
August, 1989
ISSN: 1050-9127 LANGUAGE: ENGLISH RECORD TYPE: FULLTEXT; ABSTRACT
WORD COUNT: 938 LINE COUNT: 00074

...ABSTRACT: who use Motorola's 88000 microprocessor family. BCS is based on functions described in the **POSIX** standard and the System V Interface Definition. It specifies binary **file** formats, system memory **maps** , and details of system calls. Extensions to BCS are under development in the areas of...

29/3,K/43 (Item 24 from file: 275)
DIALOG(R)File 275:Gale Group Computer DB(TM)

01283394 SUPPLIER NUMBER: 07228175
Easier ports in the processor storm. (Unix binary standards for Motorola processors)
Anderson, Alice; Wiencek, Ed
UNIX World, v6, n1, p83(5)
Jan, 1989
ISSN: 0739-5922 LANGUAGE: ENGLISH RECORD TYPE: ABSTRACT

...ABSTRACT: creates a binary operating system interface based on the System V Interface Definition (SVID) and **Posix** for the Motorola M68000 and M88000 families of microprocessors. A BCS overview is presented, and includes descriptions of the object **file** format, the memory **map** , signal handling and installation procedures.

29/3,K/48 (Item 3 from file: 636)

01166519 Supplier Number: 41009937 (USE FORMAT 7 FOR FULLTEXT)
UNIX INTERNATIONAL TAKES FIGHTING STANCE AGAINST OSF AND OS/2
IDB Informatics Daily Bulletin, n2064, pN/A
Nov 2, 1989
Language: English Record Type: Fulltext
Document Type: Magazine/Journal; Trade
Word Count: 464

... defines the product while USO creates and licences it.
Technical highlights of Release 4 include **Posix** and X/Open compliance, and the unification of four formerly non-standard Unix operating systems...

...Xenix, Berkeley University's BSD and Sun's SunOs. Unix V.4 now offers memory **mapped files** , virtual **file** system, real time support, and additional "Internationalisation" support.
Unix International could not resist taking a...
?

```
File 348:EUROPEAN PATENTS 1978-2005/Jul W04
         (c) 2005 European Patent Office
File 349:PCT FULLTEXT 1979-2005/UB=20050728,UT=20050721
         (c) 2005 WIPO/Univentio
File 324:German Patents Fulltext 1967-200530
         (c) 2005 Univentio

Set     Items   Description
S1     257942   FILE OR FILES
S2     367477   IDENTIFIER? ? OR ID OR IDS
S3       6896   FID OR FIDS
S4        296   POSIX OR PORTABLE()OPERAT?()SYSTEM? ?()INTERFACE? ?
S5       4566   VOS OR STRATUS()OPERAT?()SYSTEM? ?
S6     170244   MAP OR MAPS OR MAPED OR MAPING? ? OR MAPPED OR MAPPING? ?
S7    2061581   MATCH? OR COMPAR??? ? OR COMPARAT? OR COMPARISON? ? OR COR-
             ELAT? OR CORRELAT? OR SIMILAR?
S8       4562   BITSIZE? OR BIT(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR
              SPACE? ? OR PROPORTION? ?)
S9    1477391   MEMORY? OR STORAGE OR STORING OR STORE? ?
S10     32583   S1(5N)S2 OR S3 OR DESCRIPT?R? ?
S11     13672   S1(5N)S6:S7
S12       656   S10(20N)S11
S13        10   S12(20N)S8
S14        46   S11(20N)S8
S15         2   S11(20N)S4:S5
S16      5659   S1(1N)(SIZE? ? OR DIMENSION? ? OR VOLUME? ? OR SPACE? ? OR
             PROPORTION? ?)
S17       268   S16(5N)S6:S7
S18         5   S17(20N)S10
S19         0   S17(20N)S4:S5
S20         2   S17(20N)S8
S21       369   S11(20N)S16
S22         2   S21(20N)S8
S23         7   S17(20N)(S2:S3 OR DESCRIPT?R? ?)
S24       249   S17(20N)S11
S25         2   S24(20N)S8
S26        56   S13:S15 OR S18:S20 OR S22:S23 OR S25
S27        56   IDPAT (sorted in duplicate/non-duplicate order)
S28        56   IDPAT (primary/non-duplicate records only)
S29        15   S28 AND AC=US/PR
S30        12   S29 AND AY=(1976:2001)/PR
S31        38   S28 AND PY=1976:2001
S32        41   S30:S31
```

? t32/5,k/37,40

32/5,K/37 (Item 5 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT

00733818 **Image available**
INFORMATION RECORDING MEDIUM, INFORMATION RECORDING METHOD AND INFORMATION RECORDING/REPRODUCTION SYSTEM
SUPPORT D'ENREGISTREMENT D'INFORMATIONS, PROCEDE D'ENREGISTREMENT D'INFORMATIONS ET SYSTEME D'ENREGISTREMENT/DE REPRODUCTION D'INFORMATIONS

Patent Applicant/Assignee:
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Inventor(s):
GOTOH Yoshiho, 5-1-3, Higashinakahama, Joto-ku, Osaka 536-0023, JP
ITO Motoshi, 17-25-302, Furuichi 3-chome, Joto-ku, Osaka-shi, Osaka 536-0001, JP
UEDA Hiroshi, 4-3426, Gotenyamaminamimachi, Hirakata-shi, Osaka 573-1193, JP
FUKUSHIMA Yoshihisa, 14-C-508, Sekime 6-chome, Joto-ku, Osaka-shi, Osaka 536-0008, JP
Legal Representative:
YAMAMOTO Shusaku, Crystal Tower, 15th floor, 2-27, Shiromi 1-chome, Chuo-ku, Osaka-shi, Osaka 540-6015, JP
Patent and Priority Information (Country, Number, Date):
Patent: WO 200046805 A1 **20000810** (WO 0046805)
Application: WO 2000JP545 20000201 (PCT/WO JP0000545)
Priority Application: JP 9924462 19990201
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
CN ID KR MX
Main International Patent Class: G11B-020/18
Publication Language: English
Filing Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 23882

English Abstract
An information recording medium including a plurality of sectors of the present invention includes: a first spare area including a spare sector for replacing a defective sector among the plurality of sectors; a defect management information area for managing the replacement of the defective sector by the spare sector; and a volume space in which user data can be recorded. The volume space is configured so that a second spare area including a spare sector for replacing a defective sector among the plurality of sectors can be additionally allocated. Location information indicating a location of the second spare area is recorded in the defect management information area.

French Abstract
L'invention concerne un support d'enregistrement d'informations comprenant plusieurs secteurs. Ce support comprend une premiere zone de rechange comprenant un secteur de rechange pour remplacer un secteur defectueux parmi les divers secteurs. Ce support comporte aussi une zone d'information de gestion des defauts pour gerer le remplacement du

secteur defectueux par le secteur de rechange et un espace de volume dans lequel les donnees d'utilisateur peuvent etre enregistrees. L'espace de volume est configure de telle sorte qu'une deuxieme zone de rechange comprenant un secteur de rechange pour remplacer un secteur defectueux parmi les divers secteurs peut etre egalement attribuee. Les informations d'emplacement indiquant l'emplacement de la deuxieme zone de rechange sont enregistrees dans la zone d'information de gestion des defauts.

Legal Status (Type, Date, Text)
Publication 20000810 A1 With international search report.
Publication 20000810 A1 Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
Examination 20001026 Request for preliminary examination prior to end of 19th month from priority date

Patent and Priority Information (Country, Number, Date):
Patent: ... **20000810**
Fulltext Availability:
Detailed Description
Claims
Publication Year: **2000**

Detailed Description
... recorded in the volume
structure area 103.

The basic file structure area 104 includes a **space** **bit** **map** area 113, a **file** entry area 114, a root directory area 115 and a file entry area 116.

A **space** **bit** map is recorded in the space bit map - 32
area 113. The space bi t...number of spare sectors.

The file structure operation section 211 transmits the data for the **space** **bit** **map** area 113 stored in the **file** structure memory 221 to the optical disk drive apparatus 204 (step S415).

The data write control section 235 updates the **space** **bit** map area 113 by recording the data transmitted from the system control apparatus 200 in...in the volume structure area 109.

The basic f ile structure area 104 includes the **space** **bit** **map** area 113, the **file** entry area 114, and the root directory area 115. A **space** **bit** map for managing - 69
unallocated areas in the logical volume space 100b is recorded in...

Claim
... 1 6 1
S105
1 62-,,- Logical volume integrity descriptor im, Logical volume integ(ity **descriptor** 103 1 63--` - Anchor volume **descriptor** pointer S106 Anchor volume **descriptor** pointer
64-` File set **descriptor** **File** set **descriptor**
Space **bit** **map** area **Space** **bit** **map** area

C>
i@; CD **File** entry area (root directory) File entry area (root directory)
Un Cn
Root directory area Root...

32/5,K/40 (Item 8 from file: 349)
DIALOG(R)File 349:PCT FULLTEXT
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00478128 **Image available**
METHOD AND SYSTEM FOR NONREDUNDANT BACKUP OF IDENTICAL FILES STORED ON REMOTE COMPUTERS
PROCEDE ET SYSTEME POUR LA SAUVEGARDE NON REDONDANTE DE FICHIERS IDENTIQUES STOCKES DANS DES ORDINATEURS DISTANTS
Patent Applicant/Assignee:
TELEBACKUP SYSTEMS INC,
Inventor(s):
SWOVELAND Cary,
SOMERVILLE Robert,
Patent and Priority Information (Country, Number, Date):
Patent: WO 9909480 A1 **19990225**
Application: WO 98IB1203 19980722 (PCT/WO IB9801203)
Priority Application: US 97902535 19970729
Designated States:
(Protection type is "patent" unless otherwise stated - for applications prior to 2004)
AL AM AT AU AZ BA BB BG BR BY CA CH CN CU CZ DE DK EE ES FI GB GE GH GM HU ID IL IS JP KE KG KP KR KZ LC LK LR LS LT LU LV MD MG MK MN MW MX NO NZ PL PT RO RU SD SE SG SI SK SL TJ TM TR TT UA UG UZ VN YU ZW GH GM KE LS MW SD SZ UG ZW AM AZ BY KG KZ MD RU TJ TM AT BE CH CY DE DK ES FI FR GB GR IE IT LU MC NL PT SE BF BJ CF CG CI CM GA GN GW ML MR NE SN TD TG
Main International Patent Class: G06F-011/14
Publication Language: English
Fulltext Availability:
Detailed Description
Claims
Fulltext Word Count: 8490

English Abstract
Method for backing-up files stored on remote computers to a central computer. The method includes storing a file list in a memory device accessible to the central computer. The file list contains multiple records which each correspond to a file stored at some time on one or more of the remote computers. Each record includes file identification data which identifies a respective file and includes a signature of the respective file. During a backup operation of a remote computer, file identification data is transmitted from the remote computer to the central computer. The central computer compares the file identification data, including the file signature, received from the remote computer with the file identification data of one or more records contained in the file list. If the file identification data received from the remote computer does not match the file identification data of any of the records contained in the file list, the central computer transmits a message to the remote computer instructing the remote computer to transmit the file to the central computer. The central computer further adds a record containing the file identification data to the file list.

French Abstract
Ce procede consiste a stocker une liste de fichiers dans une memoire

accessible a l'ordinateur central. Cette liste de fichiers contient de multiples enregistrements correspondant chacun a un fichier stocke a un moment donne dans un ou plusieurs des ordinateurs distants. Chaque enregistrement contient des donnees d'identification de fichier, qui identifient un fichier respectif et comportent une signature du fichier respectif. Pendant l'action de sauvegarde d'un ordinateur distant, les donnees d'identification de fichier sont transmises de l'ordinateur distant a l'ordinateur central. L'ordinateur central compare ces donnees d'identification de fichier, comportant la signature du fichier, recues de l'ordinateur distant avec les donnees d'identification de fichier d'un ou plusieurs enregistrements contenus dans la liste des fichiers. Si les donnees d'identification de fichier recues de l'ordinateur distant ne correspondent pas aux donnees d'identification de fichier de l'un ou l'autre des enregistrements contenus dans la liste des fichiers, alors l'ordinateur central transmet un message a l'ordinateur distant pour lui donner l'instruction de transmettre ce fichier a l'ordinateur central. L'ordinateur central ajoute ensuite a la liste des fichiers un enregistrement contenant les donnees d'identification de fichier.

Patent and Priority Information (Country, Number, Date):
Patent: ... **19990225**
Fulltext Availability:
Detailed Description
Publication Year: **1999**

Detailed Description
... the size and signature of the file. That is; the size of the file is **compared** to the **file size** stored in the Fl record's file **descriptor** , step 66. If the **file sizes** do not **match** , then the file 14 has changed since the last backup. If the file sizes match...is retrieved, step 120, and the file size and signature from the FFL record is **compared** to the **file size** and signature from the CI record, step 122. If the **file sizes** and signatures **match** , the file **descriptors** from the FFL record and Cl record are compared, step 124. If the file **descriptors** match, the file identified by the CI record is deemed to be identical to a...